

C.3.3.2 – REVISED (6/8/04)

ATTACHMENT #2 (19 PGS)

AMENDMENT #1

DETAILED FUNCTIONAL REQUIREMENTS LIST

The following table is a list of functional requirements that the COTS replacement system will need to provide in order to support the OSS retail operation. The column titled 'Mandatory/Value Added' defines whether each specific requirement is required in the replacement solution (mandatory) or a value added function that would improve OSS operations, but is not required.

Additionally, the column titled 'US House Requirement Id' is a cross-reference between this requirements list and the requirements list originally provided by previous US House requirements gathering efforts. The requirements identified as 'New' in the US House Requirement Id are newly identified needs of the system. The original US House requirements document is included in the appendix to this document.

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/Value Added	US House Requirement Id
Inventory	General	1.1.1	Capability to manage and maintain item location within store and warehouse.	Mandatory	New
	Replenishment	1.2.1	Capability to create purchase requests to interface with the PD system.	Mandatory	New
		1.2.2	Capability to review and approve purchase request before submission.	Mandatory	2.2.6
		1.2.3	Capability to batch stock reorder information and produce one purchase request for each vendor for review before submission.	Value Added	2.2.2
		1.2.4	Capability to have reorder point for stock replenishment for store and warehouse.	Mandatory	4.1.3, 4.2.8
		1.2.5	Capability to automatically reorder certain items based on auto-reorder point.	Value Added	New
		1.2.6	Capability to copy documents for the creation of "skeletal" transactions that can be reused (e.g., recurring orders).	Mandatory	1.1.11
	Receiving	1.3.1	Capability to receive delivery and update inventory for items received including location.	Mandatory	New
		1.3.2	Capability to create labels to place on items receive in bulk.	Mandatory	New
		1.3.3	Capability to utilize hand held device and UPC or Bar Codes for receiving.	Mandatory	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		1.3.4	Capability to handle partial delivery receipts (short receipts).	Mandatory	New
	Stock Store	1.4.1	Capability to have restock point and available shelf/floor space allocated to manage restock store inventory requests.	Mandatory	4.1.3, 4.2.8
		1.4.2	Capability to electronically create, transmit, and track restocking store requests.	Mandatory	New
		1.4.3	Capability to automatically generate pick ticket for restocking store inventory.	Mandatory	4.1.1, 4.3.1, 4.3.2
		1.4.4	Capability to create Bar Code labels to place on items.	Mandatory	New
	Transfer Item	1.5.1	Capability to transfer stock items between locations (e.g., different store and warehouse locations) using UPC and/or bar code reading technology.	Mandatory	4.3.4
		1.5.2	Capability to create receipt for transferred items (e.g., stores, warehouse locations)	Mandatory	4.3.4
		1.5.3	Capability to receive transferred items to validate transfer (e.g., stores, warehouse locations)	Mandatory	4.3.4
	Physical Inventory	1.6.1	Capability to perform real time inventory updates.	Mandatory	4.2.3, 4.2.4, 4.4.5
		1.6.2	Provide inventory lists report for conducting physical inventory including: item number, item description, location, unit of measure.	Mandatory	2.5.2
		1.6.3	Capability to use RF devices for physical inventory counts.	Value Added	New
		1.6.4	Capability to require entry of reason for the stock adjustment.	Mandatory	4.4.6
		1.6.5	Capability to identify physical inventory counts that are outside dollar value and/or count threshold limits.	Value Added	2.5.4, 2.5.3
POS	General	2.1.1	Capability to insert free-form text comment on all transactions at both the individual line and header levels.	Value Added	1.1.8
		2.1.2	Capability to highlight fields in which errors exist if transaction is not accepted.	Value Added	1.1.9

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
	Delivery Order	2.2.1	Capability to interface with Delivery Orders over the web and intranet	Value Added	New
		2.2.2	Capability to interface with Delivery Orders from email system (Outlook).	Value Added	New
		2.2.3	Capability to track process from receipt of delivery order to customer receipt of order.	Value Added	4.3.3
		2.2.4	Capability to handle backordered items.	Mandatory	New
		2.2.5	Capability to allocate received items to existing backorders for delivery.	Mandatory	New
		2.2.6	Capability to generate pick tickets for delivery orders submitted via the web interface. Include on the ticket the following: requesting organization, ticket number, date, time, user id, delivery information, account distribution information, quantity, unit, item code, description, unit price, price total, acceptance, delivery date and time	Mandatory	4.1.1, 4.3.1, 4.3.2
		2.2.7	Capability to track delivery orders by member office code.	Value Added	4.2.1
		2.2.8	Capability to track the following delivery order types: Internet, phone order, walk-in, fax, and kiosk.	Value Added	New
	Sales	2.3.1	Capability to update inventory levels in real-time.	Mandatory	1.1.5, 2.4.7
		2.3.2	Capability to scan item and view on-hand inventory level.	Mandatory	2.4.3, 4.1.2, 2.4.2
		2.3.3	Capability to pre-populate remittance and delivery address at initial purchase request creation.	Mandatory	2.2.1
		2.3.4	Capability to differentiate sales types (charge member account, special account, employees, general public, etc.)	Mandatory	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		2.3.5	Capability to scan and validate member account card (Bar Code) at register and to initiate transaction.	Mandatory	1.1.1
		2.3.6	Capability for current date to be automatically pre-populated from the system date on all transactions and activity.	Mandatory	1.1.2
		2.3.7	Provide capability to minimize data entry during transaction processing by use of short codes and/or other techniques.	Mandatory	1.1.3
		2.3.8	Capability to record transaction activity on calendar year (House Member basis), fiscal year (Committee Member basis), AND across multiple years.	Mandatory	1.1.10
		2.3.9	Capability to perform automatic document numbering for all transactions and allow administrator to define partial code (first digits) with system automatically generating numbering extension.	Value Added	1.1.12
		2.3.10	Capability to scan merchandise items using infrared scanner.	Mandatory	2.2.9
		2.3.11	Capability to select types of payments: cash, check, credit card or charge.	Mandatory	New
		2.3.12	Capability to handle different tender types in each store (Office Supply only allows Member Account, Cash, Check and Gift Shop only allows Special Account, Cash, Credit Card)	Mandatory	New
		2.3.13	Capability to print sales ticket with account information from scanned Member Account Card.	Mandatory	2.2.9
		2.3.14	Capability to integrate account charge or credit card signature into automatically printed sales ticket.	Value Added	2.4.9
		2.3.15	Capability to modify item prices by account types (5 different pricing schemes Member, Special Accounts (multiple), Travel, Public, House employees).	Mandatory	2.4.10
		2.3.16	Capability to modify unit price, record comment, and price change history.	Mandatory	4.2.9
		2.3.17	Capability to maintain various pricing methods (average cost, FIFO, etc.)	Mandatory	4.2.10

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		2.3.18	Capability to monitor/report transactions by type (cash, check, credit, account, A/R, returns, voids)	Mandatory	2.3.12, 6.2
		2.3.19	Capability to maintain electronic receipts in history (available for 2 years, archived for 6 years).	Value Added	New
		2.3.20	Capability to perform real time credit card authorization.	Mandatory	New
		2.3.21	Capability to authorize credit card transactions as an integrated component of the sales transaction.	Mandatory	New
		2.3.22	Capability to avoid storing entire credit card number.	Mandatory	New
		2.3.23	Capability to sell items regardless of system inventory levels (if inventory level is <0).	Mandatory	New
		2.3.24	Capability to handle and store electronic signature (available for 2 years, archived for 6 years).	Value Added	New
		2.3.25	Capability to include a customizable and personalized message on the Office Supply sales receipt.	Value Added	New
	Returns	2.4.1	Capability to automatically generate return receipt paperwork for return merchandise.	Mandatory	4.2.6, 4.2.2
		2.4.2	Capability to process returns at sales register.	Mandatory	2.4.8
		2.4.3	Capability to process a return for account transactions.	Mandatory	2.4.11
		2.4.4	Capability to process returns for credit card transactions.	Mandatory	New
		2.4.5	Capability to update inventory for merchandise returns.	Mandatory	4.2.2
		2.4.6	Capability to lookup detailed sales ticket by account and date to process return.	Value Added	New
		2.4.7	Capability to process returns back to the same fiscal year of sale.	Mandatory	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		2.4.8	Capability to lookup previous transactions using last 4 digits of credit card used for the transaction.	Value Added	New
		2.4.9	Capability to maintain electronic history of return transactions (available for 2 years, archived for 6 years).	Value Added	New
	Voids	2.5.1	Capability to void sales ticket from the cash register only on the same day of sale.	Mandatory	2.4.6
		2.5.2	Capability to require entry of reason for voided transaction.	Value Added	New
		2.5.3	Capability to void line item prior to transaction tender.	Mandatory	New
		2.5.4	Capability to track all voids in transaction log.	Mandatory	New
Accounting	Closing	3.1.1	Capability to electronically reconcile registers.	Mandatory	New
		3.1.2	Capability to automatically settle credit card transactions once register is closed.	Mandatory	New
		3.1.3	Capability to track over/under by register.	Mandatory	New
	Flag Process	3.2.1	Capability to post flag payments to the appropriate accounts.	Mandatory	New
		3.2.2	Capability to allocate payments to members account by transaction (Flags, Delivery, Flying Fee, credit balance, etc.)	Mandatory	New
		3.2.3	Capability to process credit memo to third party including remittance address.	Mandatory	New
		3.2.4	Capability to process and print letter for flag refunds.	Value Added	New
		3.2.5	Provide capability to produce monthly flag processing statements including the following: account number, name, address, transaction type, number date and amount, total amount by month and year to date, flag flying charges, and franking credits, credits	Mandatory	6.3
	Account Payments	3.3.1	Capability to post monthly payments for open accounts	Mandatory	6.1

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		3.3.2	Capability to track flag check deposit activity (e.g., number of checks processed over time, dollar value, breakdown of payment by account). Single flag payment needs to be distributed across the following accounts: flag price, flying fee, and franking (mail) fee.	Mandatory	2.1.5
		3.3.3	Capability to handle returned checks and an associated fee.	Value Added	New
		3.3.4	Capability to automatically reset member accounts to 0 balance at the end of each period.	Value Added	New
	FFS Interface	3.4.1	Capability to automatically create Account Activity File.	Mandatory	1.1.4, 2.4.1
		3.4.2	Capability to automatically FTP Account Activity File to FFS.	Mandatory	1.1.4, 2.4.1
	Statement	3.5.1	Capability to produce a monthly statement of transactions by account and showing final balance.	Mandatory	2.1.2
	Account Management	3.6.1	Capability to create, modify, deactivate, and delete accounts.	Mandatory	New
		3.6.2	Capability to create physical member account cards (2) with bar code for infrared scanning.	Mandatory	New
		3.6.3	Capability to deactivate member account card or cards.	Mandatory	New
		3.6.4	Capability to mirror FFS system account structure.	Mandatory	New
	Item Maintenance	3.7.1	Capability to create, modify, deactivate and delete items.	Mandatory	New
		3.7.2	Capability to handle UPC codes.	Mandatory	New
		3.7.3	Provide capability to maintain item details including: detail descriptive information, catalog information, unit costs, number of items currently in stock, vendor	Mandatory	4.2.7, 2.1.7
		3.7.4	Capability to define item types as discontinued, display, etc.	Mandatory	2.5.6

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		3.7.5	Capability to automatically generate SKU number for new item (based on department or other classification).	Value Added	New
		3.7.6	Capability to store item picture for use on web store-front.	Mandatory	New
	Vendor Maintenance	3.8.1	Capability to create, modify, deactivate and delete vendors.	Mandatory	New
		3.8.2	Capability to link vendor to the items they supply.	Mandatory	New
General Functionality	General	4.1.1	Capability for current date to be automatically inferred from the system date on all transactions.	Mandatory	1.1.2
		4.1.2	Capability to validate data fields at entry based on specific rules.	Mandatory	New
		4.1.3	Capability for users to define the resulting date format to appear on transactions, on-line queries and reports.	Value Added	1.1.6
	Transaction Tracking	4.2.1	Capability to maintain an audit trail for all transactions (transaction log) including the following details: date and time of change, user id, explanation, etc.	Mandatory	1.2.1, 1.2.2
		4.2.2	Capability to view and report from the transaction log.	Value Added	1.2.1, 1.2.2
	Workflow	4.3.1	Capability to provide for multiple approval routes and ability to track and report on approvals in process.	Value Added	2.2.8
		4.3.2	Provide workflow as an integrated component of the baseline application. The workflow engine should be able to support the (1) point of sales, (2) central stores inventory, (3) physical inventory processes, and (4) accounting activities.	Value Added	1.5.1
		4.3.3	Capability for authorized users to route transactions, and document attachments (e.g., WORD, EXCEL) to designated individuals for approval.	Value Added	1.5.2
		4.3.4	Capability to define “rule based” routing for approvals based on user-defined criteria (e.g., total dollar amount of the transaction).	Value Added	1.5.3

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		4.3.5	Capability to establish rule-based alerts and triggers based on user-defined criteria (e.g., notify House member when an order has been in an individual's work queue for a specified number of days).	Value Added	1.5.4
		4.3.6	Provide integration with standard e-mail messaging applications including Microsoft Exchange.	Value Added	1.5.5
		4.3.7	Capability to define workflow processes, business rules, including approval routings, using a graphical definition facility.	Value Added	1.5.6
		4.3.8	Provide standard, pre-defined workflow scenarios as part of the baseline application.	Value Added	1.5.7
		4.3.9	Provide capability for authorized users to change the workflow routing on an ad hoc basis (e.g., for expediting a process flow).	Value Added	1.5.8
		4.3.10	Provide audits of the application workflows for analyzing process efficiencies and potential process "bottlenecks" i.e., work queue backups, approval back ups.	Value Added	1.5.9
		4.3.11	Provide on-line querying capability to track the status of transactions through the workflow process.	Value Added	1.5.10
	Query	4.4.1	Provide online querying capability to perform cross-referencing where a user can query a transaction type and receive information on all associated transactions in the processing chain (e.g., a query on an account would provide associated tickets).	Value Added	1.2.2
		4.4.2	Provide capability to perform, online, "drill down" routines (e.g., querying on summary information can result in a drill down to detail line information).	Value Added	1.2.5
Interface	General	5.1.1	Capability to provide data integrity assurance around interface and integration points.	Mandatory	1.2.4
	FFS	5.2.1	Capability to interface to FFS for flag payment refunds.	Value Added	New
		5.2.2	Capability to integrate and/or interface with the future FFS system for sharing of financial and account information (both directions).	Value Added	1.1.4
		5.2.3	Capability to integrate with the future FFS system for daily updates to FFS accounts.	Value Added	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		5.2.4	Capability to integrate with the future FFS system to receive updates of specific data from FFS for account details alignment.	Value Added	New
		5.2.5	Capability to interface with the current FFS system using the defined interface file layout.	Mandatory	New
	PD	5.3.1	Capability to integrate and/or interface with future AMS PD system for sharing of replenishment and receiving information.	Mandatory	1.1.4
		5.3.2	Capability to use House vendor information from PD and/or FFS.	Mandatory	2.1.1
		5.3.3	Capability to interface with the current PD system by pulling oracle view information of replenishment orders, vendor information, and receiving details.	Mandatory	1.1.4
	Delivery Order	5.4.1	Capability to interface with third party proprietary package tracking system for electronic delivery tracking (Pitney Bowes).	Value Added	New
		5.4.2	Capability to interface with third party proprietary system to receive customer receipt signature.	Value Added	New
Reporting	Functionality	6.1.1	Capability to retrieve data and export to standard desktop usable format (Microsoft tools).	Mandatory	5.1.1
		6.1.2	Capability for users to save report and query routines for reuse.	Mandatory	5.1.2
		6.1.3	Capability to search using wildcard characters, list boxes, or short codes.	Mandatory	5.1.3
		6.1.4	Provide user friendly capability to build structured queries without requiring an understanding of SQL or database structures (e.g., via use of pop up windows or drop down lists).	Value Added	5.1.4
		6.1.5	Capability to define and modify custom reports including capability to provide spreadsheet type screen layout displays.	Value Added	5.1.5

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		6.1.6	Capability for reports to be exported electronically for viewing, emailing, and sharing.	Value Added	New
		6.1.7	Capability to easily report across the different modules (e.g., inventory, POS, and accounting)	Mandatory	New
	Inventory	6.2.1	Capability to provide standard Retail Inventory reports to support the following processes: Replenishment, Receiving, Stock Store, Transfer Items, and Physical Inventory.	Mandatory	New
		6.2.2	Capability to report on item activity (e.g. usage by period, usage year to date, quantity sold period to date and year to date, date last sold, quantity last sold, etc.)	Mandatory	4.2.7
		6.2.3	Capability to report on “post purge” activity (e.g., report of all items purged since the last purge routine).	Mandatory	1.4.1
		6.2.4	Capability to generate stock status report (item number, description, quantity, unit of measure, dollar value, price, etc.).	Mandatory	New
		6.2.5	Capability to report on store stocking activity and item movement.	Value Added	New
		6.2.6	Capability to report on items that have an inventory level < 0.	Value Added	New
	Item	6.3.1	Capability to generate an item master list of location and inventory levels.	Mandatory	2.5.5
	Physical Inventory	6.4.1	Capability to produce inventory status report.	Mandatory	5.2.1
		6.4.2	Capability to produce end of month account activity report.	Mandatory	5.2.1
	Replenishment	6.5.1	Capability to produce report showing items threshold for replenishment by Vendor.	Mandatory	New
		6.5.2	Capability to report on order statistics.	Mandatory	4.2.7
		6.5.3	Capability to produce report listing replenishment orders not received by due date.	Mandatory	2.2.3

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		6.5.4	Capability to produce report summarizing replenishment orders including: purchase requests issued for a specific time frame, dollar amount of each purchase request, total count, date original request received, and cycle times.	Value Added	2.2.4
		6.5.5	Capability to generate report showing all replenishment requests cut to specified vendors within a specified time frame.	Value Added	2.2.5
	POS	6.6.1	Capability to query the system by ticket number for transaction details including what member office, item detail, quantity, cost, etc.	Value Added	2.1.6
		6.6.2	Capability to generate report that summarizes daily activity by cash register, store, and time.	Mandatory	2.4.4
		6.6.3	Capability to identify and print sales ticket from history at a later date.	Value Added	2.4.5
		6.6.4	Capability to query payment history to see amounts for specified account over a date range.	Mandatory	2.1.3
		6.6.5	Capability to provide standard POS reports to report on the transaction types (e.g., Delivery Orders, Sales, Returns, Voids, etc.).	Mandatory	New
		6.6.6	Capability to report on transaction voids.	Mandatory	New
		6.6.7	Capability to report on sales history (trends, last 12 months, monthly, seasonal).	Mandatory	New
		6.6.8	Capability to report register transaction statistics for performance measurement purposes.	Mandatory	1.2.3
		6.6.9	Capability to report inventory transaction statistics for performance measurement purposes.	Value Added	1.2.3
		6.6.10	Capability to maintain Store performance information including: Transaction performance (e.g., transaction timeframes, transaction voids)	Value Added	2.1.8
		6.6.11	Capability to report on credit card transaction returns.	Value Added	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
	Accounting	6.7.1	Capability to provide standard Retail Accounting reports to report on the following processes: Closing, Flag Processing FFS Interface, Statements, Account Management, Item Maintenance, Vendor Maintenance.	Mandatory	New
		6.7.2	Capability to electronically review monthly account statements prior to printing.	Value Added	New
		6.7.3	Capability to produce two different account statements: Monthly Account Statement for each Member and Monthly Flag Payment Statement with transaction detail.	Mandatory	New
		6.7.4	Capability to produce a report on register closing over/under by user id.	Mandatory	New
		6.7.5	Capability to report on account summaries for reconciliation purposes.	Mandatory	New
		6.7.5	Capability to produce an electronic and hardcopy listing of customer addresses.	Value Added	New
	Closing	6.8.1	Capability to total register receipts (e.g., by cash, charge, check, account) daily/monthly/adhoc by register and by location.	Mandatory	2.1.10
	Vendor	6.9.1	Provide, online, vendor cross-referencing capabilities (e.g., query on vendor to identify related transactions and other activity). This requirement may require integration with PD and/or FFS.	Value Added	2.1.9

C.3.3.4 – REVISED (6/8/04)

DETAILED TECHNICAL REQUIREMENTS LIST

The following table is a list of technical requirements that the COTS replacement system will need to meet in order to support the OSS retail operation. The column titled 'Mandatory/Value Added' defines whether each specific requirement is required in the replacement solution (mandatory) or a value added function that would improve OSS operations, but is not required.

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Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/Value Added	US House Requirement Id
Technical	General Capability	7.1.1	Capability to import and export data in formats compatible with Microsoft office automation products (e.g., Access, EXCEL, WORD).	Mandatory	7.3.2
		7.1.2	Capability to attach and store within the database external documents originating in standard desktop applications (e.g., EXCEL, WORD) and imaging applications.	Value Added	7.3.3
		7.1.3	Capability to process POS transactions with back office server on-line and off-line.	Mandatory	1.1.5
		7.1.4	Capability to use Radio Frequency (RF) Device for inventory of merchandise using UPC.	Mandatory	4.2.5
		7.1.5	Capability to automatically archive and/or purge data based on user-defined criteria including date, type of transaction, items disposed for a certain period of time (must have data available for 2 years and archived for 6 years).	Mandatory	1.4.2

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		7.1.6	Capability to include justifications in attached documents, including price quotes.	Value Added	2.2.7
		7.1.7	Capability to provide bar coding technology for use at the registers, RF devices, etc. for sales, physical inventories, receiving, and other functional areas.	Mandatory	2.5.1, 4.2.5
		7.1.8	Capability to use manufacturer's UPC code and self generated Bar Codes.	Mandatory	4.2.5
		7.1.9	Capability to print self generated Bar Code labels.	Mandatory	New
		7.1.10	Capability to attach external documents originating in standard desktop packages (e.g., Excel, Word) to application transactions and store within the database.	Value Added	1.1.7, 2.2.7
	Application Architecture	7.2.1	Capability to provide facilities to monitor the overall operation of the system to determine if operations are on schedule, all necessary operating steps have been successfully completed and alert the system administrator(s) to malfunctions on a timely basis.	Mandatory	7.2.1
		7.2.2	Capability to support user define additional database fields that does not require extensive programming modifications and which can be transferred as the system is upgraded without custom effort.	Mandatory	7.2.2
		7.2.3	Provide capability for generating recurring processing schedules, special processing schedules based on date (e.g., last day of accounting period), and ad hoc processing schedules.	Value Added	7.2.3
	Architecture	7.3.1	Application is designed using client/server architecture.	Value Added	7.1.1
		7.3.2	Application is designed in a logical three-tiered or n-tiered client/server architecture that supports the distribution of data and processes among several hardware tiers.	Mandatory	7.1.2
		7.3.3	Application client software operates on Microsoft Windows 2000/XP workstations.	Mandatory	7.1.3
		7.3.4	Application can run over MS 2000 networks.	Value Added	7.1.4
		7.3.5	Application server architecture is compatible with popular RDBMS engines including Oracle and/or Sequel Server.	Mandatory	7.1.5

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		7.3.6	Application client software supports Object Linking and Embedding (OLE), Dynamic Data Exchange (DDE) and Open Database Connectivity (ODBC).	Mandatory	7.1.6
		7.3.7	Application client software is developed using an object-oriented fourth generation language (4GL).	Mandatory	7.1.7
		7.3.8	Communication between client and server is achieved via Transaction Control Protocol/Internet Protocol (TCP/IP).	Mandatory	7.1.8
		7.3.9	System developed using a modular development design (inventory, POS, and accounting functionality can operate without the other modules).	Value Added	New
		7.3.10	Capability to print receipts and reports to a LAN printer.	Mandatory	7.1.9
		7.3.11	Capability to support multiple stores, multiple warehouse locations, in store self serve kiosk.	Mandatory	New
	Hardware	7.4.1	Capability to support the following: <i>Server</i> Hardware (models available at time of implementation)- <ul style="list-style-type: none"> • IBM RISC6000 • Sun Operating Systems- <ul style="list-style-type: none"> • IBM AIX • Sun Solaris • UNIX <i>Registers/Terminals</i> Hardware (models available at time of implementation)- <ul style="list-style-type: none"> • Windows based workstation Operating Systems- <ul style="list-style-type: none"> • Windows 2000/XP 	Mandatory	New
		7.4.2	Capability to integrate credit card authorization swipe unit with register hardware.	Mandatory	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		7.4.3	Capability to integrate infrared unit with register hardware.	Mandatory	New
		7.4.4	Capability to integrate remote RF devices.	Mandatory	New
	Interfaces	7.5.1	Provide standard utilities (e.g., API's) to process externally interfaced data to the system including (1) detailed and summarized transactions and (2) table updates.	Mandatory	7.5.1
		7.5.2	Capability to perform edit routines (e.g., security protocols) on externally interfaced data that is consistent with routines invoked during online entry.	Mandatory	7.5.2
		7.5.3	Provide capability to query and modify on-line any interfaced data failing edit routines.	Mandatory	7.5.3
		7.5.4	Provide utilities to perform data translations from external interfaces.	Mandatory	7.5.4
		7.5.5	Provide capability to uniquely identify data externally interfaced versus entered directly via on-line methods.	Mandatory	7.5.5
	Internet/Intranet Capability	7.6.1	Provide capability through a third party partner, signature encryption capabilities for authorizing and approving transactions. NOTE: PGP is the current House standard for encryption.	Value Added	7.4.4
		7.6.2	Capability to enter web request transactions (e.g., supply acquisition requests) that can be run from within an Internet browser.	Mandatory	7.4.1
		7.6.3	Provide capability for reports and query results to be published in HTML formats and loaded on Internet/intranet servers for "pull down" report distribution on Internet browsers.	Value Added	7.4.2
		7.6.4	Provide use-friendly HTML forms for querying and updating information stored in the application database.	Value Added	7.4.3
		7.6.5	Provide the capability to operate a fully functioning web store-front.	Value Added	New

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
	Security	7.7.1	Provide flexible security facilities to control user access at multiple levels including (1) overall system access, (2) functional access (inquiry, update, initiate offline processing), (3) system module access (e.g., accounts/items, inventory), (4) information classification access (e.g., House account, organization), and (5) database level access.	Mandatory	1.3.1
		7.7.2	Capability to restrict access and allowable actions at the screen, record and field levels.	Mandatory	1.3.2
		7.7.3	Capability to define authority levels at a group and user level.	Mandatory	1.3.3, 1.3.5
		7.7.4	Capability to impose application security on data imported from third party applications (e.g., MS EXCEL).	Value Added	1.3.4
		7.7.5	Capability for application security to work in conjunction with any operating system or database management security employed (e.g., Oracle database security protocols).	Mandatory	1.3.6
		7.7.6	Provide capability through a third party partner (PGP), signature encryption capabilities for authorizing and approving transactions. NOTE: PGP is the current House standard for encryption.	Value Added	1.3.7
		7.7.7	Capability to handle SSL for credit card information over network or secure PSTN communication.	Mandatory	New
		7.7.8	Capability to support the US House General Information Security Guidelines.	Mandatory	New
	User Interface	7.8.1	Provide a graphical user interface (GUI) design for all proposed modules that maximizes the use of Microsoft Windows features.	Mandatory	7.3.1
		7.8.2	Capability to navigate through the application using menus, pull down screens, and short cut keys.	Mandatory	7.3.4
		7.8.3	Provide online HELP facilities, including field, document and table levels.	Mandatory	7.3.5

Business Function	Secondary Business Function	Id	Requirement Description	Mandatory/ Value Added	US House Requirement Id
		7.8.8	Provide facilities for users to modify the HELP content/navigation to meet House-specific needs.	Value Added	7.3.5
		7.8.5	Provide “tree” structure browsers and tab folders for organizing and scanning through logically linked data.	Value Added	7.3.6
		7.8.6	Provide “point and click” drill downs from summary to detail data.	Value Added	7.3.7
	Performance	7.9.1	Capability to meet the performance requirements: <ul style="list-style-type: none"> • System availability of over 99.6% • Current user expectation of 25-50 with scalability (does not include web users in the future) • 95% of all transactions must process in less than 1 second 	Mandatory	New
		7.9.2	Capability to meet the maintainability requirements: <ul style="list-style-type: none"> • Administrator Maintainability • System Evolution is Planned Through Upgrades 	Mandatory	New
		7.9.3	Capability to meet the information management levels: <i>Office Supply</i> <ul style="list-style-type: none"> • More than 79,000 transactions annually • More than \$6.3 million in sales annually • Majority charged to over 535 official accounts • Processed over 48,000 checks for flag orders totaling \$1.8 million in revenue • Carries over 1,800 items valued at more than \$1.2 million <i>Gift Shop</i> <ul style="list-style-type: none"> • Approximately 44,000 transactions • More than \$1.3 million in sales • Carries over 1,400 items valued at approximately \$300,000 	Mandatory	New